

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-6. (cancelled)

7. (currently amended) A device for automatically sorting individual images of a moving part that moves in a periodic data records, in particular for representing the motion of parts in the human body from individual images, characterized in that manner, comprising:

an examination monitor ~~with~~ having a storage device for ~~[[the]] data records is assigned~~ representing the individual images; and

a measuring and evaluation device which ~~measures~~ identifies in the data records ~~two separate points or a line at least one feature~~ of the moving part appearing in the individual images, and, on the basis of their changes in distance or phase shifts, sorts the data records into a cyclic sequence based only on displacement of the at least one feature between different said images represented by the data records and a periodicity of the moving part.

8. (currently amended) The device as claimed in claim ~~[[1]] 7, characterized in that~~ wherein the cyclically ordered data records are combined to form a film.

9. (currently amended) The device as claimed in claim ~~1~~  
~~or 2~~ 7, ~~characterized in that~~ wherein the waveform on which the  
periodicity is based can be prescribed by an input device.

10. (currently amended) The device as claimed in claim  
[[3]] 9, ~~characterized in that~~ wherein the waveforms comprise  
triangles, rectangles or sinusoidal curves.

11. (currently amended) The device as claimed in ~~one of~~  
~~claims 1 to 4~~ claim 7, ~~characterized in that~~ wherein the data  
records ~~are~~ represent images recorded stroboscopically without  
defined frequency and phase relationships with the motion of the  
moving part.

12. (currently amended) The device as claimed in ~~one of~~  
~~claims 1 to 4~~ claim 7, ~~characterized in that~~ wherein the data  
records are individual images of X-ray pictures ~~or of MR~~  
~~pictures~~.

13. (new) The device as claimed in claim 7, wherein the  
data records represent individual MR images.

14. (new) The device of claim 7, wherein the data  
records represent images captured without defined frequency and  
phase relationships with the motion of the moving part.

15. (new) The device of claim 7, wherein the feature  
includes at least one of a line and two separate points of the  
moving part and the displacement of the at least one feature is  
defined by at least one of distance and phase shifts.

16. (new) The device of claim 11, wherein the feature includes at least one of a line and two separate points of the moving part and the displacement of the at least one feature is defined by at least one of distance and phase shifts.